Mean, medium, Mode and Range Mark Scheme		
1	Mode $= 8$	[1]
	Median $= 8$	[1]
	Mean $= 8.8$	[1] Answer must be to 1 d.p.
	Range $= 19$	[1]
2	$2 \times 6\text{ kg} + 2 \times 16\text{ kg} = 44, \quad \frac{44}{4} \neq 12$ $3 \times 6\text{ kg} + 2 \times 16\text{ kg} = 50, \quad \frac{50}{5} \neq 12$	[1] Using trial and improvement e.g. $2 \times 6\text{ kg} + 1 \times 16\text{ kg} = 28\text{ kg}$
	$2 \times 6\text{ kg} + 3 \times 16\text{ kg} = 60\text{ kg}, \quad \frac{60}{5} = 12\text{ kg}$	[1] Correct calculation
	Two 6 kg bags and three 16 kg bags.	[1]
3 (a)	Median $= 1.5\text{ kg}$	[1] Answer must be to 1 d.p.
	Mean $= 10.8 \div 7 = 1.5\text{ kg}$	[1] Answer must be to 1 d.p.
	Mode $= 1.3\text{ kg}$	[1] Answer must be to 1 d.p.
	Range $= 0.9\text{ kg}$	[1] Answer must be to 1 d.p.
3(b)	Total weight of seven rabbits $= 10.8\text{ kg}$	[1] Finding total weight
	$5 \times 1.6\text{ kg} = 8\text{ kg}$	[1] Finding remaining weight
	Total weight of two removed rabbits $= 10.8 - 8 = 2.8\text{ kg}$	[1] Full marks for 2.8 kg
4	Mean pay $= 50.64 \div 6 = £8.44$	[1]
	Median $= £8.46$	[1]
	Mode $= £8.48$	[1]
	Yes, the mean, median and mode suggest that Sarah is correct to think that most of her friends are paid more.	[1] Suitable explanation
5(a)	$3, 3, 3, 3, 4, 4, 5, 6, 7, 7, 7$	[1] Correct values from graph
	$\frac{3+3+3+3+4+4+5+6+7+7}{10}$	[1] Correct calculation
	Mean $= 4.5$ minutes	[1] Final answer
5(b)	Range $= 4$ minutes	[1]
6(a)	$5, 7, 9$	[3] 1 mark for each
6(b)	Card number 6	[1]

END